

## Specifications:

Gene:	mCRHR2
Accession:	AAA68026
Insert size:	1309bp
Concentration:	10µg at 0.2µg/µL

## mCRHR2 cDNA Plasmid

### CRHR2 corticotropin releasing hormone receptor 2 [ *Mus musculus* ]

**Also known as:** Crfr2; CRF-R2; CRFR2beta; CRFR2alpha

#### Summary:

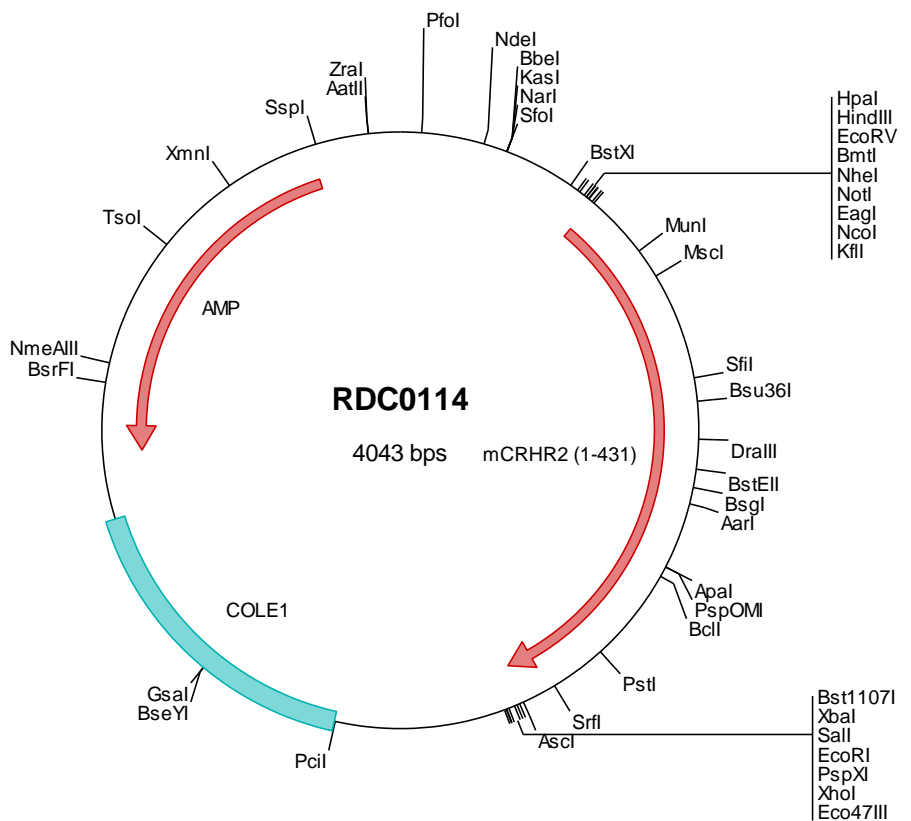
CRHR2 belongs to the G protein-coupled receptor 2 family and the subfamily of corticotropin releasing hormone receptors. It shows high affinity for corticotropin releasing hormone (CRH), and also binds CRH-related peptides such as urocortin. CRH is synthesized in the hypothalamus, and plays an important role in coordinating the endocrine, autonomic, and behavioral responses to stress and immune challenge. Studies in mice suggest that this receptor may be involved in mediating cardiovascular homeostasis.

## Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

## Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC0114 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 tacgccagct ggcgaaagg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggaaccgata tcgctagcgc gggccgccacc atggggacc caggetctct tcccagtgca cagcttctcc tetgcoctgt
501 tccctgctt ccagtgctcc aggtggccca accaggccag gcacccagg accagccct gtggacactt ttggagcagt actgccacag gaccacaatt
601 gggaaatttt caggtcccta cacctactgc aacacgacct tggaccagat ogggacctgc tggccacaga ggcaccocgg agcctagta gagagaocgt
701 gccccagata ctccaatggc atcaagata acacgaccgc gaatgcctac agagagtgc ttggagaacgg gacctgggoc tcaagggtca actactocaa
801 ctgcgaaoccc attttggatg acaagcagag aaagtatgac ctgcattacc gaatcgccct cattgtcaac tacctgggtc actgtgttcc cgtggtggcc
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1001 tcgctgtggt cctgtgcaa ctoatgacc acgaagtga cgagggcaat gaggctggt gccgtgcat caccaccatc tcaactatt ttgtggtcac
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1201 ggatggtgca ttcctgccc tatoatcac gcctgggca tggcgaact ctaactagag aatgagcagt gctggtttgg caaggaagct ggtgatttgg
1301 tggactacat ctaccagggc cccgtcatgc ttgtctgtt gatcaatttt gtattctgt ttaacatcgt caggatctc atgacgaagt tacgagcatc
1401 caccacgtcc gagacaaatc aatcacgaa ggcagtgaag gccacgctgg tctctctccc cctgttggc atcaactaca tgcctctctt tgcctaatcc
1501 ggcgaggacg acctgtccca gatgtgttc atotaactca actcttctc gcaagctctc cagggtttct ttgtgtcctg tttctactgc ttcttaactg
1601 gagaggtgcg cgcggccctg agaaaagcgg ggcaccgctg gcaggaccac cacgcccctc ggggtgctgt ggcccgggoc atgtccatcc ctactgoccc
1701 caccaggatc agttccaca gcaatcaagca gacagctgct gtgtaaaagg gcccagat atctctagat cgacaccocg ggaattctc gagcgtcgt
1801 ctctagcttg gcgtaatcat ggtcatagct gtttctctg tgaattgtt atccgctcac aattccacac aacatcagag ccggaagcat aaagtgtaaa
1901 gcctgggggt cctaataagt gagctaactc acattaattg cgttgccctc actgcccctc tccagctcgg gaaacctgct gtgccagctg cattaatgaa
2001 tcggccaacg cgcggggaga ggcggtttgc gtattggcg ctctccctc tctcctca ctgactcgt gcgctcgtc gttcggctgc ggcgacgctg
2101 atcagctcac tcaagcgcg taatacgggt atccacagaa tcaggggata acgcaggaaa gaacatgtga gcaaaagcc agcaaaagcc caggaacctg
2201 aaaaaggccg cgttctgtgc gtttttccat aggtccccc cccctgacga gcatcaciaa aatcgacgt caagtcaag gtggcgaaac ccgacaggac
2301 tataaagata ccagcgtttt ccccctgaaa gctcctcct gctcctcct agtctcctc gctcggacc tgcctcttac cggataacctg tccgctttc
2401 aagcgtgccc ctttctcaat gctcaccgtg taggtatctc agtctcgtg agtctcgtc cccaagctg ggctgtgtg acgaaacccc cgttcagccc
2501 gaccgctcgc ctttatcccg taactatct cttgagcca acccggtaa acacgacta tcgccactg cagcagccac tggtaacag attagcagag
2601 cgaggtatgt agcgggtgct acagagttct tgaagtgtg gcctaactac ggctacacta gaaggacagt atttggtatc tgcgctctgc tgaagccagt
2701 taccttcoga aaaagagttg gtatgctctg atccggcaaa caaacaccgc ctggtagcgg tggtttttt gtttgcaagc agcagattac gcgcagaaaa
2801 aaagatctc aagaagatcc tttgatctt tctacgggt ctgacgtca gtggaacgaa aactcacgtt aagggattt ggtcatgaga ttatcaaaaa
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3001 tgaggcaact atctcagcga tctgtctatt tctgtctacc atagtctcct gactccccgt cgtgtagata actacgatac gggaggcctt acctctgctc
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3501 tgccatccgt aagatcctt tctgtgact gtgagtaact aaccaagtc tcttgagaat agtgtatgc gcgaccgagt tgcctctgcc cggcgtcaat
3601 accggataat accgcgccac atagcagaac tttaaaagt ctcatcatt gaaaaccgtt ttcggggcga aaactctcaa ggatcttacc gctgttgaga
3701 tccagtcga tgaaccacc tctgtcacc aactgatct cagatcttt tactttcacc agcgtttct ggtgagcaaa aacaggaag caaaatgccc
3801 caaaaagg gataaagg acacggaaat gttgaatac catactctc cttttcaat attattgaag cattatcag ggttattgtc tcatgagcgg
3901 atacatatt gaatgtatt agaaaaata acaaatagg gttccgcgca cttttccccg aaaaagtgca cctgacgtct aagaaacat tattatcatg
4001 acattaacct ataaaaatag gcgtatcac aggcctttc gtc

> RDC0114 Translated Insert Sequence

1 mgtpgslpsa qlllclfsll pvlqvaqpgg apqdqplwtl legychrtdi gnfsqpytyc nttldqigtc wpqsapgalv erpcepyfng ikynttrnay
101 reclengtwa srvnyshecp ilddkqrkyd lhyrialivn ylghcvsvva lvaafllflv lrsircrlrv ihwnlittfi lrniawflfq lidhevhegn
201 ewwrciitti fnyfvvtnff wmfvegcyh taivmtyste hlrkwlflfi gwcipcpiii awavgklyye neqcwfgkea gdlvdviiygg pvmllvlinf
301 vflfnivril mtklrasstt etiqyrkavk atlvllpllg itymllffvnp geddlsqivf iyfnsflqsf qgffvsvfyc ffngvevraal rkrwhrwdh
401 halrvpvara msiptsptri sfhsikqtaa v